

**A METHOD AND SYSTEM FOR INTEGRATING NON-COMPLIANT PROVIDERS OF
DYNAMIC SERVICES INTO A RESOURCE MANAGEMENT INFRASTRUCTURE**

Abstract

A method and a corresponding system for use in a resource
5 management infrastructure conforming to the WMI architecture are
proposed. The WMI architecture includes a framework, known as CIM
Object Manager (or CIMOM), which exploits WMI providers of
dynamic services for the managed objects; in the WMI
architecture, the CIM providers must be implemented as Common
10 Object Model (COM) objects and must comply with a specific WMI
provider interface (named "IWbemServices").

The invention discloses a method for integrating
non-compliant providers, for example written in the Java
language, into the WMI infrastructure. For this purpose, a bridge
15 provider is associated with each managed object that is supported
by the Java providers. The bridge provider identifies the Java
provider that must be invoked to fulfill a particular request
(based on a specific CIM qualifier); the parameters of the
request are converted into Java types, and a corresponding method
20 is called on an intermediate Java object. The intermediate Java
object then routes the request to the appropriate Java provider.